



ABOVE ARE TWO FANCY STEPPING MAJORETTES OF the 73-piece Oak Ridge High School band. Both are daughters of Y-12ers. On the left is Janet Howard, daughter of Orton J. Howard, of the Alloy Division; and right is Betty Harrington, daughter of Bruce C. Harrington, of Field Maintenance.

Janet Howard, Betty Harrington, Daughters Of Y-12ers, Are Majorettes For ORHS Band

All Y-12ers who have been attending football games of the Oak Ridge High School can't help but be impressed with the four high stepping majorettes of the 73-piece high school band. Two of these four majorettes are daughters of Y-12ers. They are Janet Howard, daughter of Orton J. Howard, of the Alloy Division; and Betty Harrington, daughter of Bruce C. Harrington, of Field Maintenance.

Picked By Student Body

A lot of work and experience are behind the fancy steppers. They have worked all summer perfecting their style of action for the football season. The majorettes were picked by the student body at the Oak Ridge High School on the basis of personality, appearance, popularity and coordination. They also must know how to play a musical instrument.

Janet is 17 years old, a senior, and has lived in Oak Ridge for 11 years. She attended Glenwood Elementary School and sings in the choir at the Glenwood Baptist Church. Janet is extremely interested in all types of sports and also likes to sew.

One Is Piano Teacher

Betty also is 17 years old, a senior and has lived in Oak Ridge 11 years. She attended Elm Grove Elementary School and has been a member of the band four years prior to her majorette duties this year. Betty is a piano teacher in her spare time and plays the clarinet.

Gilbert Scarbrough is the Oak Ridge High School band director.

Former Y-12er Will Speak At Physics Seminar Meet

H. B. Willard, a former Y-12er and now with the Physics Division of the Oak Ridge National Laboratory, will speak at the weekly meeting of the Oak Ridge Physics Seminar on Friday afternoon of this week. The meeting will be held at 3:15 p.m. in the auditorium of Bldg. 4500, the new ORNL Research building.

Willard's topic will be "Angular Distribution of Electrically Scattered Neutrons by Light Nuclei." All Y-12ers interested in the subject are invited to attend the session.

Civil Defense Classes Resume In Oak Ridge

CONELRAD Broadcast Tried Out; Y-12 Man Heads Heavy Rescue

With the nation successfully testing its new CONELRAD system of radio notification last week for civil defense emergencies, Y-12ers and other Oak Ridge residents this week will be turning to resumption of training for local civil defense work. Charles Engle, assistant coordinator for civil defense in Oak Ridge, has announced beginning of fall work in several branches of the local program and continuance of others and also has issued an appeal to every Y-12er who not already is engaged in some phase of civil defense work and who wishes to do so to communicate with him at Oak Ridge telephone 5-3521, Ext. 58, as soon as possible.

The CONELRAD system has been devised by the radio broadcasting industry and the government, working together. These agencies have worked out a special system of AM (standard) broadcasting to bring official information in time of emergencies.

News Over Two Wave Lengths

The system is simple for listeners, as when an alert is sounded signifying an emergency, all standard radio sets would be tuned to either 640 or 1240 on the radio dial. Over these wave lengths radio programs will be received from three different sources — local, state and national. Through the existing network structures and line connections between stations, defense officials can broadcast programs that will reach the entire country.

When tried out last week, Oak Ridge Station WATO reverted to the 1240 wave length and participated in the nation-wide program. Three Knoxville stations also were on the hookup. By using only the two wave lengths the broadcasts were reported to have confused Air Force planes seeking to ferret out various locations through "riding" radio wave lengths to their source.

Heavy Rescue Work Important

In the local civil defense program, the class in heavy rescue work, one of the most important in case of an emergency that severely damages buildings in the community, will resume work at 8 o'clock Saturday morning, September 26. This class is headed by Arthur Ogden, of the Y-12 Building.

Continued on Page 4

CHICKEN CROQUETTES TOPS THURSDAY SPECIAL LUNCH AT CAFETERIA

The entree on the Thursday Special Lunch at the Y-12 Cafeteria tomorrow, Thursday, September 24, will be chicken croquettes with parsley sauce. The Thursday Special Lunch sells for only 50 cents and includes a vegetable, salad or dessert and rolls and butter.

New, Better Parking For Y-12ers Underway

Work on expansion and improvement of parking facilities for Y-12ers working in Bldg. 9212 and other nearby buildings in the western end of the plant is scheduled to begin today, Wednesday, September 23. The project is to be done by the Roehl Construction Co., of Knoxville, on contract with the Atomic Energy Commission.

Parking space for 400 more vehicles will be provided in a lot to be constructed east of Bldg. 9212, where considerable filling work will be required to complete the job. This lot will extend back from Bear Creek Road almost to the Y-12 Cafeteria. For the present this lot will have a gravel surface similar to the gravel lot at the North Portal.

The parking lot on the western side of Bldg. 9212 will be improved with concrete curb and gutter and asphalt surfacing, similar to the North Portal work completed some time ago.

The contract provides that all of the work must be completed within 120 working days.

Magazine Sees Vital Atomic Secrets Still To Be Kept

In a recent issue of Newsweek Magazine, the publication expressed belief that although far reaching changes are expected in United States atomic energy policy, many aspects of the atomic energy program will continue to be carefully guarded.

The magazine predicts that President Eisenhower soon will deliver a speech setting forth atomic facts never before made public to underline the dangers ahead and reveal sombre truths to the people. The objective of the talk, the magazine says, is to impress on the people the tremendous cost necessary to keep the United States ahead of Russia in the race for atomic supremacy. The new overall atomic policy is expected to have less secrecy and more candor in statements and disclosure of significant facts that will effect the future of everyone.

Spic And Span Plant Area Aim Of Y-12 Officials

Fire Prevention Week Program Will Include Inspections, Meetings

Achievement of a spic and span condition throughout the Y-12 Plant Area before and during the annual Fire Prevention Week observance October 4-10 is the objective of Fire Chief W. O. Elam, members of the Y-12 Fire Department and the Fire, Safety and Security Coordinators of the plant. With this aim in mind a wide-spread program is being arranged that will give every Y-12er an opportunity to take part in the campaign to eliminate every fire hazard in the plant through extensive clean-up work in their own immediate work locations.

Inspection committees in various divisions and departments throughout the plant are being urged to make a thorough inspection prior to the monthly fire and safety meetings held by their groups. Their findings should be submitted at these meetings with information on number of hazards found with corrective action taken or recommendations made to correct hazardous conditions. A discussion of the number and location of first aid fire fighting equipment also is expected at these sessions and if they are not adequate, recommendations are asked to be made.

It is urgent that every Y-12er know the location of the plant fire alarm box nearest his work location. Every employee also is urged to learn how to sound fire alarms, use fire extinguishers and what to do in case of fire as well as how to prevent them.

Inspection committees and individual Y-12ers are asked to bear in mind the many ways that everyone can participate in the year around fire prevention program.

Continued on Page 4

SAFETY SCOREBOARD

Your Plant Has
Operated
53 Days

Without A Lost Time
Accident

Through September 20



HOW Y-12 SEEKS TO CONTINUE A YEAR AROUND PROGRAM of fire prevention is shown in the two pictures above. At left is an old warehouse building, No. 9901, in the eastern part of the plant area, being razed to eliminate a fire hazard after it



was abandoned. The space now is being used as a storage yard for steel, which is being neatly kept as shown at right. The pictures were taken from exactly the same spot, several months apart.

The Bulletin

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GEORGE W. DOBBS . . . Editor

OFFICE

North Portal Bldg. 9701-1
Telephone 7753

Orchestra, Chorus Planning For Season

Both the Oak Ridge Symphony Orchestra and the Oak Ridge Community Chorus, with each organization having a number of Y-12 musicians enrolled, are preparing for their opening joint concert scheduled for Thursday night, October 22, in the civic auditorium at the high school. The musical groups will present excerpts from Brahms' "Requiem" that proved so popular when given last spring.

Rehearsal Held Weekly

The Community Chorus holds rehearsals weekly—every Monday night at 7:30 o'clock at the high school music room. The Symphony Orchestra also rehearses every week at 7:45 o'clock each Wednesday night at the same place. All Y-12 musicians desiring to try out with the two outstanding musical groups of the city are cordially invited to attend the practice sessions. There are several vacancies in both organizations to be filled.

Meanwhile, Dr. Fred T. Howard, a Carbide employee in the Y-12 Plant Area who is president of the Oak Ridge Civic Music Association, has announced that the association will present a series of 10 concerts during the year. These will include three by the orchestra under direction of Dr. Waldo Cohn, also a Carbide employee in the Y-12 Plant Area; and two by the chorus, whose director is J. Clark Rhodes, of the University of Tennessee, Knoxville.

The other five will be solo recitals by outstanding guest artists.

Schedule Given For Year

The complete musical schedule for the season will open with the joint concert by the orchestra and chorus on October 22, followed on November 16 by Rawn Spearman, tenor; December 4, Loewenguth Quartet, December 9, Oak Ridge Symphony Orchestra, February 3 Mieczyslaw Horszowski, pianist; March 4, Isaac Stern, violinist; March 10, Oak Ridge Symphony Orchestra; April 5, Alberneri Trio; and May 4, Oak Ridge Community Chorus.



Congratulations to William A. Kramer, Maintenance Shops, who became father of a girl born last week at the Oak Ridge Hospital.

Rides Wanted, Offered

Riders Wanted Or Will Join Car Pool—From Kingston to West Portal, rotating shift. J. L. DeMent, plant telephone 7020, home telephone 3524, Kingston.

Three Riders Wanted — From Avondale Ave., Knoxville, through Lonsdale section, straight day. G. A. Kirk, plant telephone 7993, home telephone 5-5224, Knoxville.



BILL HAYS, SECURITY; AND HIS WIFE, JOSIE, PRODUCT Processing; brought back these fine vacation pictures from Old Mexico. The Y-12ers are shown above, left, with Mr. and Mrs. Louis Tremmel, Biloxi, Miss., whom they met on the trip, with their guide, Luiz Cortines Aguilera, in rear, showing them the famous Floating Gardens at Mexico City. Josie is wearing a gorgeous bouquet of four golden gardenias—bought for 25 cents or two pesos.



One of our consistent jokesmiths just yakked this one out—

First Gal—"You know Mabel just has her husband eating out of her hand."

Second Gal—"Huh, sure saves washing dishes, doesn't it?"

Well, let's put the show on the road with some facts about folks—

The girls down in the Reports Office of the Technical Information Department had a dinner party last Thursday evening at the Park Hotel in Clinton in honor of Arminta Ladd, who is terminating to further her scholastic activities at the University of Tennessee. The Library Staff got together on Thursday, September 10, for a dinner party at the Norris Tea Room. Among the people present for this gala event were Margaret Zerby, Dot Rutherford, Terry Keener, Virginia Schneider, Louise Barry with her son, John David, and her mother, Mrs. B. A. Cantrell.

The Utilities Maintenance Department extends get-well wishes to A. C. Wampler, who is on the ailing list. J. C. Wampler is vacationing this week around home in Clinton. E. A. Wells is also on a week of vacation. B. F. Nicely spent a recent week end visiting his son at Camp Gordon, Ga. The welcome mat is rolled out for G. R. Beasley, L. W. Blevens and Edgar Dougherty.

Folks in Field Maintenance extend congratulations to J. J. Calloway, who is the proud papa of a 10-pound baby boy born last week. Get-well wishes are extended to R. L. Greene, who is off ill. A welcome is extended to B. M. Adkins and J. W. Webb, latest additions to the roster. Elmore Koons and his wife, Mavis, of 9212 Operations Division, spent a recent week end in St. Louis, Mo.

The Salvage Department extends wishes for a speedy recovery to C. J. Allmon, who is convalescing at home in Lenoir City after a stay in St. Mary's Hospital in Knoxville.

Jodie Brown, of Medical, is visiting friends in Chicago, Ill., this week.

Joe Carpenter, of Safety, spent last week's vacation working on his "estate" over on Solway Road. Vacationers from the Guard Department this week are R. L. Fain, O. D. Cloyd and C. A. Wilson.

T. A. Burkett, of Employment, spent last week vacationing at home in Oak Ridge and working on his new home over around Rockwood.

The best of luck is wished for

Pauline Taylor and for Joan Davis, who terminated last week.

George Strasser, head man in the Development Division, was being congratulated last Friday on the birth of a fine son to Mrs. S. The event took place at the Oak Ridge Hospital September 17.

Electrical Maintenance folks extend get-well wishes to Mildred Langley, who is ill with some kind of virus. Also a speedy recovery wish goes to Frank Darby, who just about has pneumonia. Get-well wishes go to C. A. Gregory, Sam King and E. L. Turnbull, who are also ailing. A welcome goes to the new fellows in the department who are J. D. Huffman, A. G. Duncan, W. W. Smith, J. R. Simpson and E. B. Brittain. Congratulations are in order for W. J. Wallace, who is the proud papa of a baby boy. C. C. Sharp spent his week off doing some farming. The department extends sympathy to B. L. Dooley, Jr., whose father passed away on September 13.

Ernie Cobble, of Buildings and Grounds, and his wife, Lillie, of Transportation, are spending most of their time this week fishing at Watts Bar and Norris. T. R. Jordan is vacationing for two weeks. J. G. Harmon is enjoying a week's vacation.

J. R. Grills, of Transportation is off on a two-week vacation. B. K. Calfee is also on vacation list. All the folks in the department are hearing these days is TV talk—Jake Seivers and Avery Kendig have just recently each purchased themselves a set.

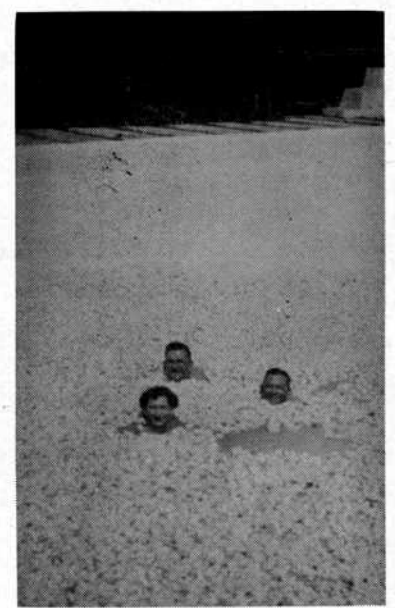
Ray Barron, of Manufacturing Offices, spent last week's vacation around home in Oak Ridge. It is the third week of vacation out of four earned by Ray as a result of toiling for Carbide for more than 25 years. He's the grandpaw in Company Service around Y-12.

The fellows in the Timekeeping Department extended sympathy to I. J. Shotts, who nephew was killed in an accident last week in Alabama. W. A. Moles got as far south as Atlanta, Ga., on his recent week off.

Congratulations are extended to J. B. Crowder, of the Alloy Division, on his recent marriage to a Miss Lomeli, of Los Angeles, Cal. The department extends sympathy to D. L. Berrier, whose uncle was drowned recently. A welcome back goes to George Caylor, who has returned after an illness. Folks in the division are glad to hear that Charlie Verboom's wife is back home after a stay in a local hospital. J. T.



MORE OF THE HAYS' VACATION PICTURES ARE SHOWN above. At right in the group of women at left are Mrs. Tremmel and Mrs. Hays, helping fill the giant swimming pool at Fortine de los Flores (Fort of The Flowers) near Vera Cruz, with gardenias from the resort's beautiful garden. Then Josie and Bill, in front right, below, enjoy a perfumed dip among the flowers with Tremmel. The resort is an old hacienda of the 15th Century rebuilt into a hotel. The pool is drained every night then filled with the gardenias every morning for a traditional rite with women guests at the hotel selected for the job of tossing the thousands of blooms into the pool.



Hale visited his parents recently in Gatlinf, Ky., where he spent some time hunting and fishing. W. A. McCloud visited relatives recently at Ashland City and Monterey, Tenn.

The trouble with some guys is that they have glowing personalities only when they're lit up.

The ADP Maintenance Department welcomes L. L. Perkins to the roster. Folks in the department are glad to have F. N. Wells back after an absence because of injuries received in an automobile accident. G. L. Edwards is taking life easy this week at his home over in Clinton.

Hazel Lemons, of Chemical, is vacationing this week at home in Sweetwater, Tenn.

Doris Brogan, of the Assay Laboratory, spent last week visiting relatives in Middlesboro, Ky.

Millie Miller, of 9212 Operations, spent a recent week of vacation at home in Knoxville.

Product Processing extends sympathy to L. R. Nicely, whose father passed away recently. Congratulations are extended to J. A. Coleman on the birth of a baby son in the Oak Ridge Hospital. Get-well wishes are extended to C. E. Muzzall, who is ill at home in Oak Ridge.

Austin Reed, of Uranium Processing, spent last week at home in Knoxville taking care of that new addition to the family.

George Carter, of Maintenance Shops, spent last week doing some farm work over in Powell.

Lyle G. Lankford has his father, L. R. Lankford, from Galveston, Tex., visiting in our fair city. W. G. Shaw spent last week's vacation in Knoxville. O. J. Ray and H. M. Monday came back from a fishing trip over to Ft. Loudoun last Wednesday night with 25 striped bass.

The department welcomes the following men to the roster: E. Smith, E. T. Henry, J. A. Andrews and J. L. Vassey. Get-wishes are extended to George Ferrell and to F. K. Clabough, who are on the sick list.

Roscoe Barringer, of the Analytical Laboratory, visited relatives in Alabama recently. Jim Rowan and his wife spent last week in Mexico. Mrs. Rowan won the trip in a local contest. J. D. Johnson and his wife have returned from a two-week vacation which they spent visiting relatives in New York City, N. Y., and in Connecticut. Marie Dinsmore, and her husband, John, of Product Processing, spent last week visiting in Pennsylvania. P. H. Johnson visited relatives in New York City, N. Y., last week. R. C. McIlhenny and his wife, Lois, are on a two-week vacation in

Nuclear Science Body Set Meeting Tonight

The Oak Ridge Nuclear Science Group of the Institute of Radio Engineers will open its fall and winter season of meetings with a session set for 7:30 o'clock tonight, Wednesday, September 23, in Room 20, Oak Ridge Institute of Nuclear Studies Building. This is the second year of activities for the group.

James L. Lovvorn, of K-25, will speak on "General Aspects of Television and TV Engineering." The talk is expected to be of particular interest because of the scheduled early beginning of TV telecasting in Knoxville and also as many members of the Nuclear Science Group studied radio before TV was included in standard electronics courses.

Lovvorn is a graduate of Alabama Polytechnic Institute, Auburn, Ala., in the class of 1949, where he received a bachelor of electrical engineering degree. He has been with the Radio Corporation of America as a design and development engineer in designing TV broadcasting antenna and micro-wave relay equipment.

All Y-12 members of the group and others interested in the talk, regardless of membership in the Institute of Radio Engineers, are invited to the meeting tonight.



The following Y-12 employees were patients at the Oak Ridge Hospital last week: B. A. Cooper and Lloyd A. Michaels, Maintenance Shops; Glen Slack, Property Sales; Edna S. Campbell, Cafeteria; Lois E. Tompkins, Chemical and Industrial Engineering; Elizabeth Patrick, Analytical Laboratory; Ray H. Buchanan and L. E. Hart, Field Maintenance; Earl W. Smith, Uranium Processing; and Mabel Stapleton, Produce Processing.

Maine. S. H. Cole and family are visiting his parents in Southern Pines, N. C. W. H. Moehl spent last week in Clinton, Iowa. Get-well wishes are extended to L. M. "Toe" Fitzgerald and to Elizabeth Patrick.

Autumn officially has arrived—so will we see you at the U. of T. Vol opener in Knoxville come Saturday?

Y-12 GOLF MEET OPENS; SPEARS IS MEDALIST

49ers Capture Tourney Title

Double Header Needed To Determine Race

The hustling 49ers under Manager Ralph Ford wrapped up the Y-12 Plant Softball Tournament last Thursday night at Pinewood field as they defeated the Engineers 10 to 2 in a slam bang battle in the finale of a double header required to determine the title.

Kidd, Sise Rival Hurlers

The "never say die" Engineers forced the newly crowned champs right down to the last wire by whipping the 49ers in the first game of the doubleheader 3 to 1. The 49ers then hopped on Joe Kidd from the outset of the final game, scoring three big runs in the first inning on consecutive hits by R. G. Marlar, George Wylie and Clyde Carter. Ed Sise held the hard hitting Engineers in check during the final game and coasted to victory after the first inning.

Manager Hobey Thomas was the big gun for the losers as he collected two hits off Sise. In the first game of the twin bill, the story was different as Kidd hurled a three hitter to lead the Engineers to a close victory over the champs. Reed collected two hits for the Engineers in this game. R. E. Justice slammed a home run for the 49ers' only run of the game.

Other Results Listed

In other tournament games last week, the Peons tripped Maintenance 8 to 3 as John Gallimore got a triple and single to pace the winners. The Engineers romped over the Colts 13 to 10 as Walter Lovell had a perfect night at the platter, getting four straight hits. Haggard and Hilliard got two hits each for the Colts. The Engineers also whipped ADP 10 to 4 and clipped the Peons 14 to 3.

The 49ers eliminated ADP from the tournament with a 3 to 1 victory in one of the best games of the event. The game was tied going into the last inning when the 49ers managed to push across a couple of tallies and then hold ADP in the bottom of the seventh to win going away.

Line scores of games last week follows:

Team	R	H	E
Maintenance	000	210	0-3 7 4
Peons	034	100	x-8 8 1
Jones and Kennedy, Law and Gallimore.			

Colts	040	303	0-10 8 4
Engineers	524	020	x-13 12 3
Burnett and Haggard, Kidd and Stanfel.			

49ers	100	000	2-3 4 0
ADP	000	001	0-1 7 2
Sise and Dodson, Ellis and Lambdin.			

Engineers	312	521	0-14 18 2
Peons	002	010	0-3 6 3
Kidd and Stanfel, Law and Gallimore.			

Engineers	004	005	1-10 6 2
ADP	020	000	2-4 7 1
Kidd and Stanfel, Ellis and Lambdin.			

Engineers	020	000	1-3 7 2
49ers	000	001	0-1 3 1
Kidd and Stanfel, Sise and Dodson.			

49ers	330	010	3-10 13 2
Engineers	001	001	0-2 6 5
Sise and Dodson, Kidd and Stanfel.			

Varsity Keglerettes Top Hospital Team

The Y-12 varsity keglerettes moved into third place in the Oak Ridge City League last week with a resounding four point win over the Oak Ridge Hospital lassies.

The Y-12 women marked up team totals of 780, 720, 692-2192, against 521, 607, 617-1745 for the Hospital. Doris Walton led the Y-12ers with scores of 150, 150, 182-482; followed by Mavis Koons 142, 196, 127-465; Nita Pitt 200, 140, 125-465; Betty Whitehorn 138, 108, 156-402; and Dot Park 150, 126, 102-378.



HERE IS THE URANIUM CONTROL JUNIOR VARSITY, the recently crowned champions of the Y-12 Plant Softball League. The UCJVs won the title by defeating the 49ers in a plant play-off. Seated left to right: Bill Belvin, Joe Smyrl, Burkett Bailey, John Richardson and Clyde Hopkins. In rear are Manager Fred Uffleman, Charley Brooks, Fred Baker, Bill Hamil, John Lay and Bob McMillan. Seated in front of the group is batboy Jerry Schulte. Absent from the picture because of an injury is Edgar Hopper, stellar moundsman of the champs. He was hurt in the title game.



BILL STANTON, Y-12 RECREATION Supervisor, left, presents Manager Fred Uffleman, of the Uranium Control Junior Varsity, with a trophy in recognition of the team winning the Y-12 Plant Softball League championship.

Final Y-12 Fishing Rodeo Is Opened; Sale Ends Friday

The third and last Y-12 Fishing Rodeo for 1953 got under way last week end with another large number of Y-12 anglers whipping East Tennessee waters in search of elusive finny specimens large enough to earn them some of the fine prizes offered in the event. More than 100 tickets had been sold for the rodeo before it opened.

To allow late comers to enter the rodeo, tickets will remain on sale through this week, the sale closing at noon Friday, September 25. Tickets may be obtained at the Recreation Office, North Portal, telephone 7753, and also from R. S. Phillippi, Bldg. 9212, telephone 7204; Avery Kendig, Bldg. 9201-2, telephone 7539; Nelson Tibbatts, Bldg. 9739, telephone 7143; Evan Means, Bldg. 9733, telephone 7731; Russell Hopper, Bldg. 9709, telephone 7549; and H. L. Pace, Elza Warehouse.

Complete rules for the rodeo are printed on every ticket and further information may be obtained from any of the above sources if desired.

Cards Have 42-8 Record; Loy Leads Hitters And Hurlers

The final statistics pertaining to the Y-12 varsity softball team revealed its excellent showing throughout the season although the Cardinals lost out in the state tournament at Knoxville.

The team turned in 42 wins against eight losses for a fine .840 percentage.

Bob Loy, pitcher and outfielder for the Y-12 team, led the team hitting with a .368 average and topped the moundsmen with 16 wins and two losses. Morris Perry and Bill Wilburn, two fine chunkers for the Cardinals, also had outstanding records for the season, with 14 and three and 12 and three, respectively.

Batting averages for the year follow:

Name	AB	Hits	Avg.
Bob Loy	122	45	.368
Gene Huskisson	170	54	.371
James Seivers	120	35	.291
Jack Martin	14	4	.285
Walt Simmons	132	36	.272
Ralph Pearson	138	37	.268
K. Montgomery	159	42	.264
Walter Sherrod	118	30	.254
Richard Wyrick	101	25	.247
Morris Perry	59	14	.237
Ray Caton	74	17	.229
Ed Guy	48	10	.208
Roy Hale	20	3	.150
Bill Wilburn	43	6	.139
Tom Webber	27	2	.074

The team batting average for the year was .240.

Pitching records for the year follow:

Name	Won	Lost
Bob Loy	16	2
Morris Perry	14	3
Bill Wilburn	12	3

CARDINAL PLAYERS, FAMILIES AND FRIENDS ENJOY BUFFET PARTY

Members of the Y-12 Cardinals, the plant varsity softball team, their families and friends enjoyed a buffet supper and get-together party last Saturday night. The informal affair was held at the "drydock" of the Oak Ridge Power Squadron with about 30 guests reported attending.

Remember—Only you can PREVENT FOREST FIRES!

Entry Deadline Wednesday For All-Carbide Tournament

Plant Golfers Divided Into Three Divisions; Championships Set For Saturday And Sunday

With 38 golfers entered, the annual Y-12 Plant Golf Tournament got underway over the past week end with first and second round matches being scheduled for Saturday and Sunday or later this week at the convenience of the contestants. All second round matches are to be completed by Friday of this week, September 25, to clear the decks for the semi-finals and finals on Saturday and Sunday, September 26 and 27.

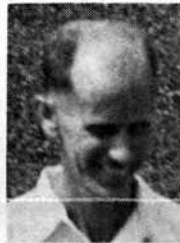
Meanwhile the Y-12 golfers were eying the All-Carbide Tournament, in which all entries must be in the hands of the Y-12 Recreation Office, North Portal, not later than noon today, Wednesday, September 23. Entry must be accompanied by a league average or qualifying score.

Carbide Finals By October 21

The deadline for entries at the other Carbide units in Oak Ridge is the same as at Y-12. After all the qualifying and average scores are assembled, match play pairings will be made. First round matches must be completed before October 7, second round tilts by October 14 and finals by October 21.

The Bulletin will publish pairings of Y-12 golfers as soon as they are available.

In the qualifying rounds played before match play opened in the Y-12 event to determine placement of entrants in divisions and flights, Jack



Jack Spears

Spears won the handicap medalist trophy with a 68. He shot a scratch 80 and had a handicap of 12. Scratch qualifying scores generally ran high with only Carl Dorr's 74 and Art Hines' 75 breaking 80.

Entrants were divided into three divisions, according to qualifying or Y-12 Plant League averages. The first two divisions consisted of 16 players each with six being in the third division. Winners in opening clashes in the First Division went into the Championship Flight and losers in the First Flight. The same procedure was used in the Second Division to break it up into the Second and Third Flights.

Y-12 Divisions Listed

Golfers achieving the First Division and their scores, marked "L" for league average and "Q" for qualifying score, follow:

Carl Dorr 74L, Frank Burchfield 84L, Jake Burchfield 80Q, F. Tiller 88Q, Jack Spears 80Q, Harvey Saylor 88L, Clyde Bowles 82L, Harold Ratjen 89Q, Art Hines 75Q, Joe Pryson 86Q, Arnold Tiller 82L, Al Sawyer 89Q, Bill Reynolds 80Q, Larry Koontz 88L, Frank Kennedy 84Q, and George Mitchell 90L.

Second Division contestants and scores are:

Bob Orrison 90L, Jay Holzknecht 96L, H. D. Duncan 94L, Gentry Underwood 98L, Fes Lowry 92L, J. Gilliam 98L, J. Boyd 96L, C. Peterson 100L, Paddy Peckman 90Q, Clarence Johnson 98L, L. Matthews 94L, Elmore Koons 100L, J. Snyder 92L, George Oliphant 98L, Nelson Tibbatts 96L, and Archie Hooker 102L.

Third Division players are:

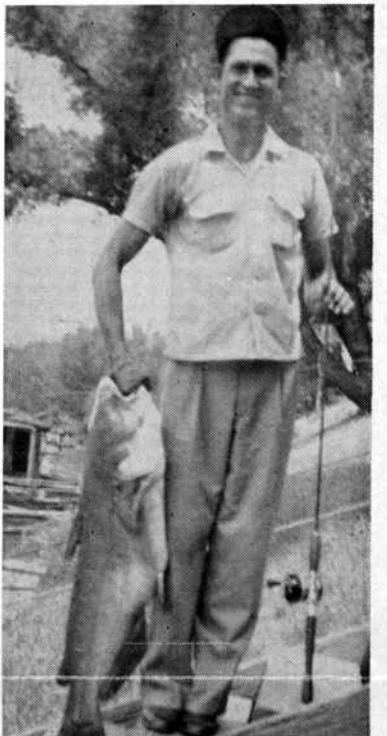
Hobey Thomas 108L, J. Smith 108L, Bill Hays 128L, Logan Emlet 106L, R. Wallace 126L, and Bill Morgan 108L.

Week End Results Given

Results of matches over the week end follow:

First Division—Dorr over F. Burchfield 4-3; J. Burchfield over F. Tiller 3-2; Spears over Saylor two up; Bowles over Ratjen two

Y-12 SPORTS



Y-12 FISHERMEN RAMBLE as far as Arkansas to snag the big ones. Above is shown H. B. Smith, a rigger in Buildings and Grounds, with a 43-pound catfish caught in the White River, near Augusta, Ark.

Y-12 Bowlers Open Season With Win Over K-25 Keglers

The Y-12 varsity bowling team opened its defense of the Oak Ridge Men's City League bowling crown on September 14, at the Oak Terrace alleys with a three-point victory over the keggers of K-25. The Y-12ers took two out of three games and total pinnage by scoring 826, 862, 876-2564; to 794, 883, 794-2471 for the losers.

George Schierbaum, a newcomer to the team this season, led the Y-12ers in scoring with a 567 series. He started slow with a 154, added a 191 and closed out with a neat 222 game. Other Y-12 scores were Jack Spears 190, 191, 154-535; Roy Roberts 182, 164, 176-522; Ernie Cobble 166, 151, 177-474; and Joe Pryson 134, 165, 167-466.

up; Hines over Pryson 6-5; A. Tiller over Sawyer 4-2; Reynolds over Koontz 4-3; Kennedy over Mitchell one up.

Second Division—Orrison over Holzknecht one up; Duncan over Underwood 7-5; Lowry over Gilliam one up; Boyd over Peterson 3-2; Snyder over Oliphant 5-4; Tibbatts over Hooker, Peckman over Johnson and Matthews over Koons, all by forfeit.

Third Division—Smith over Hays 3-2; Emlet over Wallace 3-2; Thomas over Smith 3-2; Morgan over Emlet one up.

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UT, AEP Registration Closing Over Week End

Registration time for Y-12ers wishing to take advantage of educational courses offered by the University of Tennessee Graduate School and the Oak Ridge Adult Education Program will be on Friday, September 25, and Saturday, for the university classes and up until Thursday night, September 24, for the local institution.

Two UT Schools Offer Work

The University of Tennessee is offering graduate work in two classifications. One is the regular Oak Ridge Resident Program to be conducted in Oak Ridge. The other is the Graduate School of the Electrical Engineering Department with classes held in Knoxville.

Registration for the Oak Ridge Resident Graduate Program will be held from 5 p.m. to 9 p.m. at the Oak Ridge Institute of Nuclear Studies Training Building on Administration Road on Friday of this week only. Courses offered include Chemical Engineering 511, heat conduction; Chemistry 461, laboratory technique; Chemistry 571, theoretical inorganic chemistry; Industrial Management 511, principles of organization; Industrial Management 521, personnel management; Mathematics 421, introduction to analysis; Mathematics 561, mathematical methods in physics; Metallurgy 584, high and low temperature behavior of metals; Physics 451, atomic physics laboratory; Physics 511, introduction to theoretical physics; and Physics 611, quantum mechanics.

Engineers Register In Knoxville

Enrollment in the Graduate School of the Electrical Engineering Department classes will be held all day Friday and from 8 a.m. to 12 noon Saturday, September 26. The registration will be held at the graduate office in the Administration Building on the university campus, Knoxville. Qualification for registration include a bachelor's degree in engineering with a scholastic average exceeding 80 per cent. All courses carry three quarter hours of credit.

Courses to be offered include Mathematics 454-5-6, applied mathematics for engineers; Electrical Engineering 507-8-9, transients in linear systems; Electrical Engineering 521-2-3, advanced electrical machinery; Electrical Engineering 524-5-6, feedback systems; Electrical Engineering 531-2-3, electrical design of power houses and substations; Electrical Engineering 541-2-3, power systems; Electrical Engineering 551-2-3, advanced vacuum tube circuits; Electrical Engineering 574-5-6, network synthesis; and Electrical Engineering 581-2-3, electromagnetic radiation and propagation.

Classes Open September 28

Classes in both of the university programs will begin Monday, September 28. The Oak Ridge classes will be held in the ORINS Training Building and the electrical engineering classes in Ferris Hall on the university's Knoxville campus.

Classes of the Oak Ridge Adult Education Program opened Sep-

Attendance Record

MAJOR LEAGUE More Than 50 Employees Scheduled			
Dept.	Absent Percentage	9-13-53	9-6-53
2008	0.4	1	2
2108	0.5	2	11
2216	0.6	3	4
2018	0.8	4	7
2690	1.3	5	8
2077	1.5	6	15
2060	1.6	7	5
2026	1.67	8	12
2091	1.74	9	9
2142	1.8	10	10
2618	2.0	11	3
2005	2.24	12	16
2619	2.24	12	17
2015	2.3	14	6
2252	2.5	15	19
2617	2.6	16	18
2014	3.2	17	20
2003	3.5	18	14
2002	4.2	19	1
2257	4.3	20	13
2001	4.7	21	21

Group absentee percentage was 2.2 per cent, .4 per cent lower than the preceding week.

MINOR LEAGUE 15-49 Employees Scheduled			
Dept.	Absent Percentage	9-13-53	9-6-53
2301	0.0	0	1
2743	0.0	1	1
2090	0.0	1	4
2093	0.0	1	5
2140	0.0	1	6
2200	0.0	1	8
2143	0.0	1	11
2094	0.0	1	13
2046	1.1	9	7
2107	1.47	10	10
2144	1.47	10	1
2096	4.4	12	12
2145	4.8	13	9

Group absentee percentage was 1.5 per cent, two per cent lower than the preceding week.

The plant average for the week ending September 13 was 2.2 per cent, .5 per cent lower than the preceding week.

10 Years Service

Congratulations are offered to the following Y-12 employees who will complete 10 years of Company Service within the next few days—

John L. Kennedy, Electrical Maintenance, September 24.

William H. Donahue, Maintenance Shops, September 27.

Edwin E. Oliver, Electrical Maintenance, September 27.

Othneil E. Gilcrease, Electrical Engineering, September 29.

Spencer D. White, Field Maintenance, September 30.

Hoyt R. Atkins, Electrical Maintenance, September 30.

Carl Cogdill, Guard, September 30.

Dave Turner, Fire, September 30.

Fred P. Smith, Steam Plant, September 30.

September 21 but late enrollees may register through tomorrow, Thursday, September 24, at the AEP offices in the high school. Registration hours are 1 p.m. to 5 p.m. and 6:30 p.m. to 9 p.m. A wide variety of general interest courses are being offered as well as instruction in business topics, high school and elementary school subjects.

Some University of Tennessee Extension classes also are offered.

The best kind of pride is that which compels a man to do his best work, although no one is looking.

Civil Defense Classes Resumed In Oak Ridge

Continued from Page 1

ings and Grounds Department, with a number of Y-12ers enrolled in the group. The class will meet at the new tower constructed on the Oak Ridge Turnpike for training purposes.

Any Y-12er wishing to take this special type of training that has as its purpose removal of injured persons from wrecked buildings is asked to communicate with Ogden at plant telephone 7469 or with Engle. Ogden is chief of the heavy rescue service of the civil defense program.

Fire, Police Training Resumed

The class in auxiliary fire training will be resumed November 5 at the fire training hall and a group training for auxiliary police work already has begun work this week. Classes in standard first aid, advanced first aid and home nursing have been continued throughout the summer.

Engle has announced vital and interesting new courses to begin soon. One will be in basic rescue, planned primarily for housewives faced with the emergency of saving some person in their own homes that might be damaged. Classes in laboratory techniques for water analysis and blood typing also will be offered soon.

The CONELRAD system of broadcasting is considered the surest and fastest way of spreading information under attack conditions facing the country. When an alert is sounded for a civil defense emergency all television and FM (frequency modulation) radio stations will go off the air as their broadcasting beams could be used as directional finders by enemy aircraft. Every effort will be made to give radio listeners as much advance notice as possible which frequency, 640 or 1240, will be used in any community. In larger cities, both will be used.

As long as flow of electric power is interrupted, regular standard radios will do the job of handling the CONELRAD broadcasts. However, if power fails, a battery-operated or portable radio may be pressed into service. Automobile radios will be useful as an auxiliary set.

Fall Piloting Class Is Open To Y-12ers

Y-12ers wanting to learn the fundamentals of small boat piloting to qualify them for operating craft in East Tennessee waters may register tomorrow night, Thursday, September 24, in the fall piloting class to be operated by the Oak Ridge Power Squadron. The registration will be held in Room A-129, Oak Ridge High School. Among the instructors in the class will be G. J. Angele, Y-12 Engineering Department and former commander of the squadron, R. A. Ware and George Lockhart, also of Y-12; and George Banic and W. C. Tunnell, both Carbide employees in the Y-12 Plant Area. The class this year is sponsored by the Oak Ridge Adult Education Program and no charge is made for the instruction. Classes will be held for 10 weeks.

Swingsters Capture Top Spot In B Loop

The Swingsters took over undisputed possession of first place in the B League last week as they whitewashed the Cubs. The Bumpers and Rebels are close on the heels of the league leaders as the former blanked the Rippers and the Rebels whipped the Wasps by four points. The Wolves moved up the ladder four notches by trouncing the Tigers by four tallies. Bldg. 9211 won three points from the All Stars and the Has Beens rounded out the activities by halving four points with ADP.

Ernie Cobble, of the Bumpers, had a good night, rolling a 219 scratch game, a 601 scratch series, boosted to 667 with handicap, all of these marks being high for the first round. Cobble also chipped in a 241 handicap single. The Bumpers took most of the team honors with a 895 game, 2522 scratch series and a 2963 handicap series. Bldg. 9211 got into the act with a 1049 handicap game.

League standing follows:

Team	W	L
Swingsters	10	2
Bumpers	9	3
Rebels	9	3
Has Beens	7 1/2	4 1/2
All Stars	7	5
Wolves	6 1/2	5 1/2
Bldg. 9211	6	6
Cubs	5	7
Tigers	4 1/2	7 1/2
Wasps	3	9
ADP	2 1/2	9 1/2
Rippers	2	10

Hooks Whitewash Washups In C Loop

The Hornets keggers in the C League rolled some high scores in alley activities last week to give their scheduled opponents a fine target in a later bowling appearance, as the Screw Balls were unable to show up for the match on Wednesday. The Screw Balls hoped to roll for record to compare with the Hornets before this week's schedule is rolled.

In hardwood combat the Hooks turned in an impressive four-point win over the Washups. The Glass Arms whopped the Rusty Five and the Uranium Control Junior Varsity vanquished the Can't Hooks, each by three.

J. Booher, of the Hornets, topped the scorers in single games with a 221 scratch and 267 handicap tally. Ernie Cobble, his teammate, bagged a 557 scratch and 680 handicap series. The Hornets' 1067 scratch series also was tops for the night as was their 2915 handicap series. The Can't Hooks plugged a 777 scratch game, increased to 2157 with handicap, for tops.

League standing follows:

Team	W	L
Hornets	4	0
Glass Arms	7	1
Rusty Five	5	3
Hooks	4	4
UCJV	3	5
Wash Ups	1	7
Can't Hooks	1	7
*Screw Balls	3	1

*Will roll to match scores with Hornets.

BOARD WINS AWARD

The National Board of Fire Underwriters has been awarded a certificate of civic merit by Mayor Vincent R. Impellitteri, of New York City, for its outstanding service during the city's annual clean-up campaign.

Spic And Span Plant Area Is Objective

Continued from Page 1

gram in the plant. Here are some of conditions that might cause fires:

Unsafe smoking habits, lack of adequate ash trays and sand urns for disposal of cigarettes, cigars and pipe ashes.

Defective or misuse of electrical equipment.

Improper storage of flammable liquids.

Improper storage and disposal facilities for waste, oily rags and rubbish.

Excessive accumulation of waste and rubbish.

Improper clearance around heating equipment.

Poor housekeeping conditions.

Where any excessive accumulation of rubbish is found, either inside or outside buildings in the plant area, its removal can be achieved by individual departments with a telephone call to 7391. Special arrangements have been made with the Maintenance Division to do such hauling.

In addition to taking particular pains toward cleaning up the Y-12 Plant Area during Fire Prevention Week, all Y-12ers are urged to take similar steps around their own homes. Most home fires are caused by carelessness with improper handling of matches and smoking being one of the principal causes. Plenty of ash trays in homes and care in tossing away matches can greatly curtail these causes of fires.

Faulty electrical equipment is another major cause of home fires. All such equipment, particularly frayed wiring, should be thoroughly checked and immediately repaired.

For the protection of lives of children and adults, extreme care should be taken in every home to prevent youngsters playing with matches of any kind. Thousands of fires have been started in this manner, causing many deaths and heavy damages.

Fire Prevention Week—proclaimed annually by the President of the United States—is not just another promotional week. It is intended to impress on every citizen the need of care to prevent the vast number of fires occurring daily throughout the nation, most of which would not have happened if ordinary care had been used in homes, factories, industrial plants, schools and other buildings.

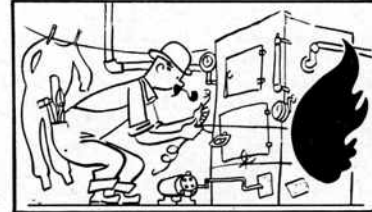
How Y-12ers Can Eliminate Fire Hazards Throughout Plant



Keep flammable liquids in safety cans and at a safe distance from sparks and flames. Put all oily rags in tight metal containers.



Maintain sprinklers properly. Keep valves open. High stockpiling limits effective water spray to an insufficiently small area.



Check heating devices regularly. Keep all combustibles away from furnaces and other heat sources, such as space heaters and welders.



Always keep fire doors closed. Don't pile stock or equipment against them. Mark exits clearly and enclose all vertical shafts within the building.